

Appl. No. 09/520,249
Amdt. dated June 29, 2005
Reply to Office Action of March 29, 2005

Atty Docket No.: 99-009

LISTING OF CLAIMS: This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1-31 (cancelled)

Claim 32. (currently amended) An additive-matrix mixture formed by mixing ingredients comprising a poly(vinyl chloride)-containing matrix resin and at least one aqueous additive system, wherein each of the at least one aqueous additive systems comprises one polymeric additive selected from the group consisting of:

- i) acrylic impact modifiers;
- ii) methyl methacrylate-butadiene-styrene modifiers; and
- iii) polymeric processing aids;

wherein the amount of polymeric additive in each of the at least one aqueous additive systems is from 5 to 70 percent by weight of the aqueous additive system,

wherein said matrix resin is in a form selected from the group consisting of powder, slurry, and wet cake.

Claim 33. (currently amended) ~~The additive-matrix mixture of claim 32.~~ An additive-matrix mixture formed by mixing ingredients comprising a poly(vinyl chloride)-containing matrix resin and at least one aqueous additive system, wherein each of the at least one aqueous additive systems comprises one polymeric additive selected from the group consisting of:

- i) acrylic impact modifiers;
- ii) methyl methacrylate-butadiene-styrene modifiers; and
- iii) polymeric processing aids;

wherein the amount of polymeric additive in each of the at least one aqueous additive systems is from 5 to 70 percent by weight of the aqueous additive system, and

wherein at least one of the at least one aqueous additive system comprises one polymeric processing aid for poly(vinyl chloride).

Claim 34. (currently amended) The additive-matrix mixture of ~~claim 32~~ claim 33, wherein ~~the at least one of the at least one aqueous additive system comprises~~ one polymeric processing aid for poly(vinyl chloride) ~~that is a lubricating processing aid.~~

Claim 35. (currently amended) The additive-matrix mixture of ~~claim 32~~ claim 33, wherein at least one of the at least one aqueous additive system comprises one polymeric processing aid for poly(vinyl chloride) that is a graft copolymer comprising at least 10 percent by weight of a rubbery core, based on the weight of the graft copolymer.

Claim 36. (previously presented) The additive-matrix mixture of claim 32, wherein at least one of the at least one aqueous additive system comprises one polymeric additive selected from the group consisting of:

- i) an acrylic impact modifier that is a graft copolymer having over 70 percent by weight of a rubbery core, based on the weight of the graft copolymer; and
- ii) a methyl methacrylate-butadiene-styrene modifier that is a graft copolymer having over 70 percent by weight of a rubbery core, based on the weight of the graft copolymer.

Claim 37. (previously presented) The additive-matrix mixture of claim 32, wherein at least one of the at least one aqueous additive system comprises one polymeric additive selected from the group consisting of:

- i) an acrylic impact modifier that is a graft copolymer having 90 to 95 percent by weight of a rubbery core, based on the weight of the graft copolymer; and

- ii) a methyl methacrylate-butadiene-styrene modifier that is a graft copolymer having 90 to 95 percent by weight of a rubbery core, based on the weight of the graft copolymer.

Claim 38. (previously presented) The additive-matrix mixture of claim 32, wherein the ingredients comprise an aqueous additive system comprising one polymeric additive synthesized by emulsion polymerization.

Claim 39. (previously presented) The additive-matrix mixture of claim 32, wherein the ingredients comprise at least one additive system that is in the form of a coagulated slurry or wet cake.

Claim 40. (previously presented) The additive-matrix mixture of claim 32, further comprising at least one compound selected from the group consisting of: a plasticizer, a UV stabilizer, a lubricant, a wax, a pigment, a toner, a rheology modifier, a flame retardant, a thermal stabilizer, an antioxidant, a filler, a mold release agent, and hollow spheres.

Claim 41. (new) The additive-matrix mixture of claim 32, wherein said form of said matrix resin is powder.

Claim 42. (new) The additive-matrix mixture of claim 33, wherein the ingredients comprise an aqueous additive system comprising one polymeric additive synthesized by emulsion polymerization.

Claim 43. (new) The additive-matrix mixture of claim 33, wherein the ingredients comprise at least one additive system that is in the form of a coagulated slurry or wet cake.

Claim 44. (new) The additive-matrix mixture of claim 33, further comprising at least one compound selected from the group consisting of: a plasticizer, a UV stabilizer, a lubricant, a wax, a pigment, a toner, a rheology modifier, a flame retardant, a thermal stabilizer, an antioxidant, a filler, a mold release agent, and hollow spheres.